

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

PATENT ABSTRACTS OF JAPAN

A G

(11)Publication number : 2001-198921
 (43)Date of publication of application : 24.07.2001

(51)Int.Cl. B29C 33/00
 B30B 11/00
 H01M 8/02

(21)Application number : 2000-011095
 (22)Date of filing : 20.01.2000

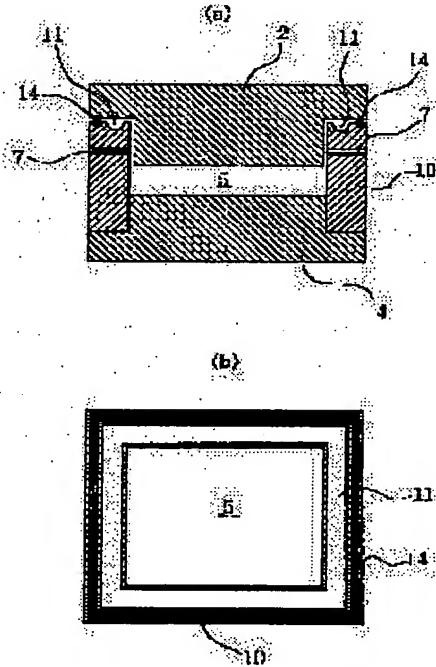
(71)Applicant : NISSHINBO IND INC
 (72)Inventor : SAITO KAZUO
 HAGIWARA ATSUSHI
 MAKI TAKASHI
 KAMOGAWA MOTOHIKO

(54) MOLD FOR PRODUCING FUEL CELL SEPARATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a mold for a fuel cell separator which does not cause thickness nonuniformity even when burrs are generated.

SOLUTION: In the mold for producing the fuel cell separator having molds 2, 4, 10 and spaces 5 for molding the separator formed between these molds, a burr retaining space 11 communicating with the spaces 5 is formed at least in one mold. A raw material having a volume somewhat larger than that of the spaces 5 is charged, pressurized, and heated to be melted. The molten raw material is packed in the entire spaces 5, and the rest is introduced into a space 11. Since the molds 2, 10 are kept to be contacted directly with each other, the precisely molded separator can be obtained.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

*** NOTICES ***

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.**** shows the word which can not be translated.

3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] the fuel cell separator manufacture characterized by forming the above-mentioned dead air space and the dead air space for weld flash ** open for free passage in at least one of the above-mentioned metal mold in the metal mold for fuel cell separator manufacture which has two or more metal mold and the dead air space for fuel cell separator shaping formed among these metal mold — public funds — a mold.

[Claim 2] the fuel cell separator manufacture according to claim 1 characterized by drilling the above-mentioned dead air space for weld flash ** in the field in contact with other metal mold in one metal mold so that the dead air space for fuel cell separator shaping may be enclosed — public funds — a mold.

[Claim 3] the fuel cell separator manufacture according to claim 2 characterized by forming the dead air space for the above-mentioned fuel cell separator shaping when the field in which the above-mentioned dead air space for weld flash was drilled sticks with other metal mold — public funds — a mold.

[Claim 4] the fuel cell separator manufacture according to claim 2 or 3 characterized by preparing and carrying out the seal of the seal member to the outside of the above-mentioned dead air space for weld flash ** — public funds — a mold.

[Claim 5] fuel cell separator manufacture given in either of claims 1-4 characterized by the above-mentioned metal mold being what used for a press machine — public funds — a mold.

[Translation done.]
